

(54) Title

POLYSULPHATED POLYSACCHARIDE COMPLEXES

International Patent Classification(s)

(51)⁴ C08B 037/02 A61K 031/57 C08B 037/08 C08B 037/14
A61K 031/725
(51)⁵ C08B 037/00

(21) Application No. : 15456/88

(22) Application Date : 21.03.88

(87) WIPO Number : WO88/07060

(30) Priority Data

(31)	Number	(32)	Date	(33)	Country
	PI0951		19.03.87		AU AUSTRALIA
	PI2478		15.06.87		AU AUSTRALIA
	PI5819		09.12.87		AU AUSTRALIA

(43) Publication Date : 10.10.88

(44) Publication Date o' Accepted Application : 20.12.90

(71) Applicant(s)
ARTHROPHARM PTY. LIMITED

(72) Inventor(s)
PETER GHOSH; DAVID CULLIS-HILL

(74) Attorney or Agent
F B RICE & CO, 28A Montague Street, BALMAIN NSW 2041

(56) Prior Art Documents
AU 19369/88 37/10 A61K 31/725

(57) Claim

1. A multivalent metal, Ag⁺, Au⁺ or quaternary ammonium complex of a polysulphated polysaccharide selected from the group consisting of polysulphates of dermatan, xylan, chondroitin and hyaluronic acid.
2. A composition suitable for treating arthritis and allied inflammatory or degenerative joint diseases comprising a pharmaceutically acceptable carrier, a polysulphated polysaccharide selected from the group consisting of polysulphates of dextran, dermatan, keratan, xylan, chondroitin, hyaluronic acid, chitin, starch, amylopectin, cellulose, amylose, alginic acid, pectin, and multivalent metal, Ag⁺, Au⁺ or quaternary ammonium complexes thereof, and at least any one of the compounds selected from the group consisting of hyaluronic acid or water soluble salts thereof and corticosteroids.

(11) AU-B-15456/88

-2-

(10) 604542

20. A composition as in claim 19 wherein the xylan polysulphate has an average molecular weight of 6000 Daltons and a sulphur content of about 16%.